

HERCIK, F.

"Effect of surface active substances on bacteriophage formation"
[with summary in German]. Chesk. biol. 1 no.2:169-171 '52.

(MLRA 6:12)

1. Institut obshchey biologii meditsinskogo fakul'teta universiteta im. Masaryka, Brno.

(Bacteriophage)

HERCIK, F.; HRADECNA, Z.

Electron microscopy of non-cellular forms of hay infusion [with
summary in German]. Chekh. biol. 1 no.2:172-178 '52. (MLRA 6:12)

1. Institut obshchey biologii meditsinskogo fakul'teta universiteta
im. Masarika, Brno.
(Plant cells and tissues) (Electron microscopy)

HERCIK, F.; NOVAK, L.

"Erroneous principles of Mendelian." Chakh. biol. 1 no.2:250-260
'52. (MLRA 6:12)
(Mendel's law)

HERCIK, F.

"Mathematics and biology. Chekh.biol. 2 no.4:193-197 Ag '53.
(MLRA 7:4)
(Biomathematics)

HERCIK, Ferdinand

Problem bakteriofaga. (1. vyd.) Praha, Nakl. Ceskoslovenske akademie ved, 1953.
111 p. (Prace Ceskoslovenske akademie ved. Sekce biologicka, sv. 1) (Problem of
the bacteriophage. 1st ed. illus., bibl., index)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 5, No. 6 June 1956,
Uncl.

HERCIK, F.

Sizes of bacteriophage of Escherichia coli. Chesk. biol. 2 no. 4:
198-202 Ag '53. (MLRA 7:4)

1. Institut obshchey biologii meditsinskogo fakul'teta universiteta
im. Masarika, Brno.
(Bacteriophagy) (Escherichia coli)

HERCIK, F.; LIBIKOVA, Ye.

Electron microscopy of a polyvalent bacteriophage. Chekh. biol. 2 no.4:
293-207 Ag '53. (MLRA 7:4)
(Bacteriophagy) (Electron microscope)

HERCIK, F.; BARTUNEK, M.

Heating table for the microscope. Chekh, biol. 2 no. 4: 246-247 Ag '53.
(MLRA 7:4)

1. Institut obshchey biologii meditsinskogo fakul'teta universiteta
im. Masarika, Brno. (Microscope and microscopy)

HERCIK, F.

~~Soviet radiobiology is our example. Chekh. biol. 2 no. 4: 25-29 Ag '53.~~
(MLRA 7:4)
(Radicotherapy)

HERCIK, F.

Phagolysis in phase microscopy. p. 273
CESKOSLOVENSKA BIOLOGIE. Vol. 3, No. 5, Oct. 1954

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 9, Sept. 1955
UNCL.

HERCIK, F.; HRADECNA, Z.; HANDSCHUHOVA, O.

Electron microscopy of the formations growing out of the cells of bacteria. p. 279
CESKOSLOVENSKA BIOLOGIE. Vol. 3, No. 5, Oct. 1954

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 9, Sept. 1955
Uncl.

HERCIK, F.

Phase microscopy of phagolysis. Chekh. biol. 3 no.5:284-291 Nov 54.

1. Biologicheskiy institut meditsinskogo fakul'teta universiteta

v Brno.

(LEUKOCYTES,

phagolysis, phase microscopy)

(MICROSCOPY, PHASE,

of phagolysis)

HERCIK, F.; HRADECNA, Z.; HANDSCHUHOVA, O.

Electron microscopy of outgrowths of bacterial cell. Chekh. biol.
3 no.5:292-297 Nov 54.

1. Biologicheskiy institut meditsinskogo fakul'teta universiteta v
Brno i Otdelenie infektsionnykh boleznei Oblastnoy detskoy bol'nitsy.
Brno.

(MICROSCOPY, ELECTRON,
of bact. cell outgrowths)

(BACTERIA,
outgrowth of bact. cell, electron microscopy)

HERCIK, F., Dr (Brno, Obrancu miru 10), HANDSCHUHOVA, O., Dr;
HEJZELKA, Z., Dr

Electron microscopy of acellular substance in whooping cough.
Lek listy 9 no.9:197-200 My '54. (MEAL 3:8)

1. Z biologického ústavu lekarské fakulty v Brně, prednosta
prof. Dr P. Hercík, a z infekčního oddělení Krajské dětské
nemocnice, prednosta doc. Dr Vlad. Kluska.

(WHOOPING COUGH,
*laryngeal smears, electron microscopy of acellular
substance in)
(MICROSCOPY, ELECTRON,
*of laryngeal smears in whooping cough, acellular
substance in)

HERCIK, F

HERCIK, Ferdinand

Importance of isotopes in biosynthesis. Czech.biol. 4 no.7:385-
389 July '55.

(ISOTOPES,

in biosynthesis)

(METABOLISM,

biosynthesis, isotopes in)

HERCIK, Ferdinand

Microstructure of living substance. Cesk. biol. 4 no.9:
519-524 Oct 55.

1. Biofysikalni ustav CSAV, Brno.
(BACTERIOPHAGE,
microstructure)

HERCIK, F.

Hercik, F. Report on the 3d Conference on Electronic Microscopy. p. 249.

Vol. 10, no. 2, 1955 BIOLOGIA Bratislava, Czechoslovakia

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 5, No. 2
February, 1956

2000. Electron microscopy of phage *Escherichia coli* development inside host cell. F. Herčík *Biochim. biophys. Acta*, 1955, 18, 1-12 (Biol. Dept., Med. Faculty, Univ. of Brno, Czechoslovakia).— Using a T2 phage with a long latent period, several thousand electron micrographs were made in an attempt to determine all the stages of phage development. A scheme is proposed in which the induced bacterial cell is disintegrated into globules of uniform diameter which then form ringlike structures. In the next stage of phage development, a central protuberance grows and fills the ring. At the same time, 6-8 uniform spherical globules form the tail.

G. D. HURTER

HERCIK, F.

The mechanism of the biological action of radiation.
F. Hercik (Czech. Acad. Sci., Brno). *Polix Biol.* (Prague)
4, 186-200 (1956) (in English).—Review with 20 references.

P. M. B. *M.L.*

Hercik, F.

Mechanism of the geological effect of radiation. P. 129
CESKOSLOVENSKA BIOLOGIE. (Ceskoslovenska akademie ved. Biologicky
ustav) Praha
Vol. 5, no. 3, May 1956

Source: EEAL - LC Vol. 5. No. 10 Oct. 1956

HERCIK, Ferd, Prof., Dr.

International conference on peaceful use of atomic energy,
Geneva, 8-20 August, 1955. Cas. lek. cesk. 95 no.4:105-108
27 Jan 56.

(ATOMIC ENERGY,
internat. conf. on peaceful use)

HERCIK, F.

"Photoreactivation of bacteria irradiated with X rays, In English."

p. 31 (Folia biologica, Vol. 3, no. 1, 1957, Praha, Czechoslovakia.)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 6 June 1956.

MERCIK, F.

"Photoreactivation of bacteria irradiated by X rays."

p.1 (Ceskoslovenska Biologie, Vol. 5 1.e.67 no. 1, Feb. 1957, Praha, Czechoslovakia)

Monthly Index of East European Accession (EIAI) LC, Vol. 7, No. 6, August 1958

CZECHOSLOVAKIA/Virology, Bacterial Virus (Phages).
no. 6, 1959, 23776

Abs Jour : Ref Zhur Biol., No 6, 1959, 23776

Author : Hercik, Ferdinand

Author : Hercik, Ferdinand
Inst : -
Title : On Lytic Formations, Induced by Roentgen Rays, in
Escherichia Coli.

Orig. Pub. : *Ceskosl. biol.*, 1958, 7, No 1, 1-9

Orig Pub : Ceskosl. Biol., 1951, 26, 101
Abstract : The bacteria, cultivated in MPB, were irradiated with a dose of 32 r and placed for one hour under a temperature of 37°. It was discovered that after such treatment, the bacteria secreted a lytic factor transferred in subinoculations. Checking of strains showed that they are not lysogenic. The lytic factor was liberated under various doses, but a dose of 30 r was optimal. The first subinoculation sometimes gave negative results. Under small doses the lysis was observed in the first passages; under large doses, lysis was manifested later. Under

Card 1/2

immature
-opic particles was
-opic photos are in-

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CIA-RDP86-00513R000618

SOV/26-59-2-10/53

17(2)
AUTHOR:Hercik, F., Professor (Czechoslovakia)

TITLE:

The Phage Propagation (Razmnozheniye faga)

PERIODICAL:

Priroda, 1959, Nr 2, pp 49-56 (USSR)

ABSTRACT:

The author describes probable ways of the propagation of phages (short for bacteriophages). By itself the phage is a macromolecule of the nucleoproteid which has some properties of a living organism. Chemically, a phage is composed of nucleoproteids with a 40-50% addition of nucleic acids, mostly the desoxyribonucleic acids. Thus, in contrast to the bacterium, the phage is of a simpler composition, being basically a nucleoproteid. All the phages are divided into two groups - "virulent" and "moderate" phages. The "virulent" phage absorbs the bacterium and destroys it, and the second can coexist with the bacterial cell without destroying it. Only from such cells is the inactive phage spontaneously producing a "virulent" one, which destroys the cell and penetrates the surrounding habitat. The culture

Card 1/2

HERCIK, F.; PELANKOVA, E.

Effect of cumulative X-irradiation on the development of color variants of
Serratia marcescens. In English. p. 176.

FOLIA MICROBIOLOGICA. (Ceskoslovenska akademie ved) Praha, Czechoslovakia. Vol. 4,
no. 3, 1959.

Monthly list of East European Accessions (EEAI), LC, Vol. 8, no. 12, December 1959,
Uncl.

(

SOV/25-59-5-15/56

AUTHOR: Hercik, F.

TITLE: Protection of Life

PERIODICAL: Nauka i zhizn', 1959, No. 5, pp 21-24 (USSR)

ABSTRACT: Describing radioactivity in general, the author, Director of the Biofizicheskiy institut Chekhoslovatskoy akademii nauk (Biophysical Institute of the AS ČSR), points to the danger of strontium 90, caused by atomic tests. Strontium enters the human body in the form of foodstuffs (especially plants). He deals with methods of determining changes in living organisms due to radioactive influence, such as analysis of urine and detection of leukemia.

Card 1/1

CZ/2-59-5-23/33

AUTHOR: Herčík, Ferdinand, Corresponding Member

TITLE: Symposium on Intermediate and Small Doses of Ionizing Radiation in
Venice

PERIODICAL: Věstník československé akademie věd, 1959, No 5, pp 657-658

TEXT: This conference was organized by UNESCO, the International Atomic ✓
Agency and the Italian Atomic Commission in June 1959. Altogether 150 scientific
workers attended the conference, five of them from Soviet-bloc countries.
The conference was very interesting in that it showed the importance of radiation
effects in small doses. Much work remains to be done in order to ascertain
whether small doses represent a biological hazard for living organisms. It is
presumed that small doses really can have a harmful effect where nobody expected
it till now.

ASSOCIATION: ČSAV (Czechoslovak Academy of Sciences)

Card 1/1

HERCIK, F.

HERCIK, F. [Hercik, F.]

Radioactive radiation. Nauka i zhystia 9 no.5:56-58 My '59.
(MIRA 12:9)

1. Chlen-korrespondent Chekheslovatskoy akademii nauk.
(Radiation) (Radioactivity)

HERCIK, Ferdinand

Symposium on Immediate and Small Doses of Ionizing Radiation in Venice.
Vestnik CSAV 68 no.5:657-658 '59.

1. Glen korespondent Ceskoslovenske akademie ved.

Z/038/60/000/006/001/004
A201/A026

AUTHOR: Hercík, Ferdinand

TITLE: Biological Effects ¹⁹ of Radioactive Carbon

PERIODICAL: Jaderna energie, 1960, No. 6, pp. 181 - 183

TEXT: Radioactive Carbon C - 14 originating during nuclear weapon tests constitutes a grave danger to the health of the living and coming generations. It was estimated that by the end of 1958, as much as $93.5 \cdot 10^{27}$ atoms of artificial C - 14 could have originated from nuclear tests. This estimate, however, does not consider any losses of neutrons released during the nuclear explosions (Leipunskyy. 1957). Therefore, the actual increase of C - 14 due to nuclear tests is estimated to be somewhere between $12 \cdot 10^{27}$ and $48 \cdot 10^{27}$ atoms, representing an equivalent of about 107,000 curie or 23.4 kg. It can, therefore, be expected that the content of C - 14 in the human body will gradually increase during the coming years and it is estimated that the additional radioactive dose due to C - 14 will reach 8 billion during the next 30 years. This, in turn, will cause a rapid increase of genetic mutations in the coming generations. Estimates to this effect have been made by several western scientists (Crow, Pauling). This mutation effect can,

Card 1/2

Biological Effects of Radioactive Carbon

Z/038/60/000/006/001/004
A201/A026

according to latest results of scientific research, be intensified by the so-called transmutation effect. When radioactive carbon is incorporated into a biologically important molecule, such as desoxyribonucleic acid, it increases the detrimental mutation effect by decomposing into radioactive nitrogen, thus combining the ionisation effect of C - 14 and the transmutation effect of radioactive nitrogen. There are 8 references: 1 Soviet and 7 English

ASSOCIATION: Biofysikalní ústav ČSAV (Biophysical Institute, ČSAV), Brno

Card 2/2

"APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000618010011-3

~~.....xera., prof. dr.~~

*Developments and tasks of biophysics in Czechoslovakia. Cas. lek.
cesk. 99 no.19:593-596 6 My '60.*

1. Biofyzikalni ustav CSAV, Brno.
(BIOPHYSICS)

APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000618010011-3"

HERCIK, Ferdinand, dr.

Molecular biology. Term tud kozl 4 no. 6: 241-243 Je '60.

1. Corresponding member, Czechoslovak Academy of Sciences,
Brno.

HERCIK, F.

Effect of cysteine and glycerol on capacity of irradiated cells of
Escherichia coli B for phage T3. Folia biol. (Praha) 10 no.4:307-
311 '64.

1. Institute of Biophysics, Czechoslovak Academy of Sciences, Brno.

HERCIK, F.; JANOVSKA, Eva

Effect of small doses of X-rays on formation of color variants by
Serratia marcescens. Folia microbiol 5 no.5:283-286 '60. (EEAI 10:4)

1. Institute of Biophysics, Czechoslovak Academy of Sciences, Brno.
(Plants) (Color of plants) (X rays)
(Serratia marcescens)

NERMUT, M.V.; HERCIK, F.

Effect of ionizing radiation on large bodies of *Proteus vulgaris*.
Folia microbiol 6 no.5:306-310 '61.

1. Department of Biology, Medical Faculty, Purkyne University, Brno
Brno and Institute of Biophysics, Czechoslovak Academy of Sciences,
Brno.

(BACTERIA) (IONIZATION)

HERCÍK, Ferdinand

International symposium on the primary biological effects of ionizing radiation in Moscow. Vestnik CSAV 70 no.1:167-169 '61.

1. Glen korespondent Československé akademie ved.

HERCIK, Ferdinand

Congress of the Biophysical Society of the German Democratic Republic. *Vestnik CSAV* 73 no.2:357-358 '64.

1. Corresponding member of the Czechoslovak Academy of Sciences.

HERCIK, Ferdinand

The 1st National Congress on Biophysics. Vestnik CSAV 70
no.5:657-659 '61.

1. Clen korespondent Ceskoslovenske akademie ved.

BEHOUNEK, Frantisek, akademik; HERCIK, Ferdinand

Scientific Committee of U.N.O. for Study of the Effects of
Nuclear Radiation. *Vestnik CSAV* 70 no.5:711-715 '61.

1. Clen korrespondent Ceskoslovenske akademie ved (for Hercik).

HERCIK, Ferdinand

The 1st International Biophysical Congress in Stockholm.
Vestnik CSAV 70 no.5:731-733 '61.

1. Clen korespondent Ceskoslovenske akademie ved.

Z/002/62/000/005/001/001
D005/D102

AUTHOR: Hercík, Ferdinand, Corresponding Member, Czechoslovak AS
TITLE: Biological effects of ionizing radiation on molecular level
PERIODICAL: Československá akademie věd. Věstník, no. 5, 1962, 532-535

TEXT: Under the sponsorship of the International Agency for Atomic Energy in Vienna, a scientific symposium was convened by the Československá akademie věd (Czechoslovak Academy of Sciences) and the Československá atomová komise (Czechoslovak Atomic Commission) on July 2-6 in Brno to deal with the radiation effects on albuming and nucleic acids. Secretary-General of the symposium was Ferdinand Hercík, Professor, Doctor, Director, Biophysikální ústav ČSAV (Biophysical Institute, Czechoslovak AS) in Brno. Welcoming addresses were presented by Ivan Málek, Academician, Vice-Chairman, Czechoslovak AS; Jan Neumann, Engineer, Chairman, Czechoslovak Atomic Commission; and Josef Kalášek, Chairman, Městský národní výbor (Municipal National Committee) in Brno. Papers on the following subjects were presented in six sessions: Drášil, Czechoslovakia, reported on processes in

Card 1/3

2/002/62/000/005/001/001
D005/D102

Biological effects of ionizing ...

irradiated tumor cells; Belyayeva, USSR, studied the changes in albumins during first post-irradiation phases; Kanazir, Professor, Yugoslavia, and his collaborators dealt with changes of the nucleic-acid structure, synthesized in bacteria after exposure, and, in another paper, with the favorable effects of high-polymerized desoxyribonucleic acid on the metabolic activity of the liver and intestines in rats exposed to a lethal dose; Lazurkin, Doctor, USSR, studied the kinetics of processes leading to formation of free radicals in albumins during exposure; Cherkasova, USSR, dealt with the post-irradiation metabolism of albumins in the central nervous system; Beneš and Soška, ČSSR, reported on the effects of some pyrimidine precursors of desoxyribonucleic acids on the resumption of nucleic-acid synthesis after it had been stopped by ionizing radiation; Karpfel, ČSSR, reported on increased cell division rate and formation of abnormal chromosomes in irradiated marrow of animals to which intact desoxyribonucleic acid was previously administered; Petrová, Czechoslovakia, dealt with the direct and indirect effects of radiation on Zygnuma algae; Skalka, Czechoslovakia, and his collaborators studied radiation effects on the bond between desoxyribonucleic acid and albumin; Hradečná, Doctor, Czechoslovakia, dealt with radiation effects on some functions of lambda-phage; Drobník,

Card 2/3

Biological effects of ionizing ...

Z/002/62/000/005/001/001
D005/D102

Doctor, Czechoslovakia, reported on effects of internally administered phosphorus on diploid yeast cells. In a concluding statement the high quality of the presented papers was praised and it was emphasized that Brno had been chosen for this symposium because the scientists of the Biophysical Institute, Czechoslovak AS, have already for a long time been engaged in basic research on biological radiation effects.

ASSOCIATION: Biofysikální ústav CSAV (Biophysical Institute, Czechoslovak AS), Brno

Card 3/3.

JANOVSKA, Eva; HERCIK, F.; VLASINOVA, Miluse; JANIK, B.

Induction of mutations in *Serratia marcescens* by a protec-
synthesis block. *Folia microbiol.* 8 no. 5:293-300 '63.

1. Institute of Biophysics, Czechoslovak Academy of Sciences,
Brno.

(*SERRATIA MARCESCENS*) (PIGMENTS)
(CHLORAMPHENICOL) (MUTATION)
(RADIATION GENETICS)

HERCIK, F.

Effects of mitomycin and alpha-rays on the capacity of *Escherichia coli*
b for phage T3. *Folia biol.* 9 no.1:42-50 '63.

1. Institute of Biophysics, Czechoslovak Academy of Sciences, Brno.
(MITOMYCIN) (ESCHERICHIA COLI) (COLIPHAGES)
(RADIATION EFFECTS) (POLONIUM)

HERCIK, Ferdinand

Radiobiological Symposium in Rio de Janeiro. Vestnik CSAV
72 no.2:266-267 '63.

1. Glen korespondent Ceskoslovenske akademie ved.

HERCIK, Ferdinand

International Organization for Pure and Applied Biophysics.
West CSAV 72 no. 4:509-511 '63.

1. Corresponding member of the Czechoslovak Academy of Sciences.

HERCIK, F.

Research report 1960-1962. Folia biol. (Praha) 9 no.6:454-474
'63.

1. Czechoslovak Academy of Sciences, Institute of Biophysics,
Brno.

(RADIATION INJURY) (BIOPHYSICS)
(RADIATION EFFECTS) (RESEARCH)

HERCIK, F.

Research report 1960-1962. Folia biol. (Praha) 9 no.6:454-474
'63.

1. Czechoslovak Academy of Sciences, Institute of Biophysics,
Brno.

(RADIATION INJURY) (BIOPHYSICS)
(RADIATION EFFECTS) (RESEARCH)

Prf. M. Kralovec

Effect of ultraviolet light on stomatal movement. Biologia
plantarum 6 no.1 70-72 '64.

1. Institute of Biophysics, Czechoslovak Academy of Sciences,
Brno, Kralovepolska 105.

HERCIK, Ferdinand

Influence of alpha rays on stomatal movements. *Biologia plantarum* 6 no.4:315-317 '64.

1. Institute of Biophysics of the Czechoslovak Academy of Sciences, Brno. 12, Kralovopolska 135. Submitted June 29, 1964.

HERCÍK, F.; HOLZMANNOVÁ, Alice

Sensitization of the Capacity of *Escherichia coli* B for phage T3 to X-rays by iodoacetamide. *Folia biol. (Praha)* 11 no.3: 243-245 '65.

1. Institute of Biophysics, Czechoslovak Academy of Sciences, Brno.

HERCÍK, K., CHUMACKÝ, Z.

Manufacturing the Skoda 1000 MB engines. Automobile Za
8 no. 12; 2-8, 17-9 p 164.

FROMOWICZ, M.; HERCIK, L.; PROCHAZKA, D.; VICHNAR, M.

A combined epidemic of adenovirus respiratory infections and
diarrhea caused by *E. coli* O111 in a children's nursery.
Cesk. pediat. 18 no.9:810-817 S '63.

1. OHEs v Karlovych Varech, vedouci prim. lek. M. Fromowicz
Kojenecky ustav OUMZ v Karlovych Varech, reditel MUDr. M.
Vichnar.

(ESCHERICHIA COLI INFECTIONS)
(DIARRHEA, INFANTILE)
(ADENOVIRUS INFECTIONS)
(RESPIRATORY TRACT INFECTIONS)

HERCIK, Miloslav, inz.

Control of economical heating of coke oven batteries. Hut
listy 19 no. 5 305-310 My '64

1. Higher School of Mining, Ostrava.

HERCIK, Miloslav, inz.

Heat balance and analysis of the power economy of a coke oven plant. Hut listy 19 no. 3:153-157 Mr '64.

1. Higher School of Mining, Ostrava.

HERCIK, V.

"Economy in Pneumatic Tires of Aircraft", p. 479, (MRIESLA VLASTI,
Vol. 4, No. 26, Sept. 1954, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions, (SEAL), LC, Vol. 1, No. 1,
Jan. 1955, Uncl.

HERCIM, V.

Telecommunication technology; a review of Otakar Klika's Spojovaci technika. I. (Technology of Materials in the Vacuum Technique Vol. 1. Metals and Semimetals); a book review. (Supplement)

P. L75. (SIAPOFROUDY OPZOR) (Praha, Czechoslovakia) Vol. 19, no. 11, Nov. 1957

30: Monthly Index of East European Accession (EEAI) LC Vol. 7, No. 5, 1958

HERCK, E.; COSNULESCU, I.; POPESCU, I.

Considerations on the effect of the state of the nervous system on the aspect
of lesions in experimental intoxication of the liver. p. 643.
(COMUNICARILE. Rumania. Vol. 5, no. 3, Mar. 1955)

SO: Monthly List of East European Accessions (EEL) LC, Vol. 6, no. 7, July 1957. Uncl.

HERCK, E.; POPESCU, I.; COSMULESCU, I.

Effect of the Vishnevski Novocain block on experimental hepatic toxic lesions. p. 1761. Academia Republicii Populare Romane. COMUNICARILE. Bucuresti. Vol. 5, No. 12, Dec. 1955.

So. East European Accessions List Vol. 5, No. 9 September, 1956

ZAMFIRESCU-GHEORGHIU, M.; KREINDLER, F.; HERRCK, B.; MAXIMILIAN, St.;
SAFIRESCU, E.; CORNELIU, Miron

Serum peroxidase activity in acute and chronic liver diseases;
clinical and experimental studies. Probl. ter., Bucur. 3:
181-212 1956.

(LIVER DISEASES, blood in
peroxidase, in acute & chronic dis.)
(OXIDASES, in blood
peroxidase activity in acute & chronic liver dis.)

ZAMFIRESCU-GHEORGHIU, M.; COSMULESCU, I.; KREINDLER, F.; SAFIRESCU, E.;
MAXIMILIAN, St.; F. M. HERCK

The succinic dehydrogenase and cytochrome oxidase activity of the liver;
experimental study. Probl. ter., Bucur. 8:13-20 1957.

(SUCCINIC DEHYDROGENASE, determination

in rabbit liver, eff. of phosphorus & carbon tetrachloride
pois.)

(OXIDASES, determination

cytochrome oxidases in rabbit liver, eff. of phosphorus &
carbon tetrachloride pois.)

(PHOSPHORUS, effects

on succinic dehydrogenase & cytochrome oxidase activity of
rabbit liver)

(CARBON TETRACHLORIDE, poisoning

exper., eff. on succinic dehydrogenase & cytochrome oxidase
in rabbit liver)

(LIVER, metabolism

succinic dehydrogenase & cytochrome oxidase activity, in
rabbit, eff. of phosphorus & carbon tetrachloride pois.)

HER009, Drago, Dr. (Zagreb)

Atomic energy and stomatology. Zobozdravvest., Ljubljana 10 no.1-2:
63-65 1955.

(DENTISTRY,
atomic energy, application)
(ATOMIC ENERGY,
in dentistry)

"APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000618010011-3

HERCIG, Frantisek, promovany geolog; VRBA, Jaroslav, promovany geolog

Third Hydrogeological Conference in Zilina. Vodni hosp 14 no.11:
435-436 '64.

APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000618010011-3"

HERCOG, Frantisek

"Hydrochemical method of ore deposit survey" by E.E. Beljakova [Belyakova, E.E.], A.A. Reznikov, L.E. Kramarenko, A.A. Necaeva, T.F. Kronidova. Reviewed by Frantisek Hercog. Vest Ust geol 39 no.4:273-274 '64.

"Handbook of plants, indicators of groundwaters and soil grounds in the southern deserts of the U.S.S.R." by E.A. Vostokova, A.V. Savyrina, S.G. Lariceva. Reviewed by Frantisek Hercog. Ibid.: 274

HERCOG, Frantisek

Karst water storage in Hungary. Vodni hosp 14 no. 2179-
80 '64.

HERCOG, F., promovany geolog

Methods of evaluating underground water reserves in some member states of the Council of Mutual Economic Assistance. Vod hosp 15 no.1:14 '65.

"Special water storage equipment". Reviewed by F. Hercog. Ibid.:14

"APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000618010011-3

Materials for studying economics of the Federal People's Republic of Yugoslavia Beograd,
Znanje, 1951. 142 (i. e. 141) p. (52-34527) hCh 7.16i.b 1. Yugoslavia - Econ. Condit.

APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000618010011-3"

HRROG, B., dr

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Uncl.

MURČÍKOVÁ, JUDITA
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Prague, Czechoslovakia

Source: Prague, Vědecké pracovníky Geologického, Vol. XXVI, No. 6, 61,
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(NEOPLASMS, etiol. and pathogen.

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Vol. 2, no. 2, Feb. 1954
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Source: East European Accessions List (EEAL), LC, Vol. 5, no 2
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D019/D105

15-2260

AUTHOR: Hercz, G., Engineer

TITLE: Methods of corrosion-proof protection against high temperatures of carbon-steel pipes at the Thermal Power Plant in Aghires

PERIODICAL: Energetica, v. 9, no. 10, 1961, 413 - 415

The article presents three methods used at the Thermal Power Plant in Aghires for the protection of blast pipes against corrosion. The blast pipes of the Aghires power plant are made of OLT 35 and OLT 45 steels. When unprotected, these pipes became useless after 300 to 400 hrs of operation. To increase their life, the OLT 35 pipes were coated by spraying them with aluminum. This method, however, gave good results only in pipes installed at the cold end of the boilers. The second method used in Aghires consisted of spraying aluminum silicate on the metalized tube in three layers, followed by a heat treatment of the coated tubes at 700° - 900°C. This method did not give satisfactory results, for the protective layer peeled off, immediately after the pipes were removed from the annealing furnace. The third method consisted of spraying ethyl-silicate on the

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D019/D105

Methods of corrosion-proof protection

metalized blast pipes. The ethyl-silicate layer had a thickness of 0.1 -0.2 mm. Pipes treated with ethyl-silicate showed the best results and operated for 9 months without any defects. The last method ensured protection against temperatures of up to 900°C. Ordinary metalizing, with or without a protective layer of sodium silicate, is a sufficient protection for pipes installed at the cold end of the boilers. There are 2 figures. X

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(MEOPLASMS, etiol. and pathogen.

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(WOUNDS AND INJURIES

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(PRZEGLAD KOLEJOWY ELEKTROTECHNICZNY. Vol. 8, no. 6, June 1956, Warszawa, Poland)

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Feb. 1957

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